

TEMPERATURE CONTROL METHOD AND APPARATUS

ABSTRACT OF THE DISCLOSURE

An arrangement to assist in heat transfer through a mold for applications such as injection molding of plastics material including at least one closed chamber within the mold, the chamber being only partially filled with fluid and a remainder of the chamber being filled with substantially only vapor of the fluid within the chamber, at least a portion of the chamber being positioned to transmit heat from a targeted location of the mold into fluid within the chamber, and condensing means adapted by reason of heat exchange to effect condensation of vapor within the chamber, the mold being arranged in that the fluid, such as water, is arranged to be held in the chamber in such a way that the fluid will be distributed to reach or be held at different heights within the chamber.